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16 March 2000

Mr. Jerome Johnson
U.S. EPA
901 North Fifth Street
Kansas City, Missouri 66101

Enclosure: Focused Workplan for McDonnell Douglas Building 27 Naval Weapons Industrial Reserve Plant

Dear Mr. Johnson;

McDonnell Douglas Corporation, a wholly owned subsidiary of The Boeing Company, is providing for your review, a focused work plan for addressing the units at the Building 27 Naval Weapons Industrial Reserve Plant identified in the Navy Environmental Baseline Survey for Transfer (EBST). We are submitting this plan separate from the RFI Work Plan Addendum addressing SWMU # 17. The reason for doing this is to enable the timely resolution of these items prior to the sale of the property. Two copies of this plan will also be sent to Mr. Fuad Marmash of the Missouri Department of natural Resources.

The final EBST was received in our office on February 22, 2000. The final document does not contain any recommendations for further corrective action. However, 6 areas identified in the EBST with classifications of 6 or higher are included in our work plan. These are areas where a release, disposal and/or migration of hazardous substances has occurred and all required remedial actions have not yet been taken (classification of 6) or areas that have not been evaluated or require additional evaluation (classification of 7). These areas are 1) Recycling Center (Scrap Dock), 2) Building 27 Machining Area Sumps, 3) Building 27 Northeast Corner Degreaser Area, 4) Building 27 Plating Line, 5) Building 27 Anodize and Titanium Process Area, and 6) East Section of East Parking Lot.

We feel this plan is adequate to assess the six areas identified in the EBST and we are currently in the process of implementing this plan. Following implementation of these activities a report will be prepared stating the findings. Plans for any additional investigation or remedial action will be included in the report.

Please contact me should you have any questions or need additional information.

Sincerely,



Joseph W. Haake, Group Manager
Environmental and Hazardous Materials Services
Dept. 464C, Bldg. 220, Mailcode S221-1400
(314) 232-6941



R00131407
RCRA RECORDS CENTER



Focused Workplan for Building 27 Naval Weapons Industrial Reserve Plant

Recycling Center (Scrap Dock)

This area is used for the collection of metal scrap for shipment off-site to be recycled. Metal chips, borings, and turnings are placed into trailers for transportation. Cutting oils and coolants that remain on the metal pieces drain from the trailers on to the ground. In 1992, soil was sampled in this area and analysis of the samples revealed minor contamination. We propose to collect another soil sample at a down gradient location close to the chip drainage area. The sample will be analyzed for TPH, PCB, VOC, and Semi VOC.

Building 27 Machining Area Sumps

A total of 35 machining area sumps were identified in the EBST. In most cases two sumps serve four machines with only one sump used at a time. Three sumps are divided in half with only one side used at a time. Including the three half sumps, a total of 17 sumps are empty at one time. We propose to inspect and document the condition of these 17 sumps.

The large sump at the southwest corner was installed in 1997 for new high-speed machinery. Steel tanks are positioned in the sumps to contain the coolant. We do not plan on inspecting this area.

Building 27 Northeast Corner Degreaser Area

The degreaser in the northeast corner of Building 27 utilizes an aqueous cleaner. The unit was converted from a trichloroethylene vapor degreaser in 1995. The degreaser sits in a large concrete pit. We propose to inspect and document the condition of the pit.

Building 27 Plating Line

The plating line is comprised of a series of open top tanks that contain various chemical solutions and rinses used in chromium, cadmium and nickel electroplating operations. The containment area under the tanks, which would collect any spillage, drains to the industrial sewer. We will rinse the containment area and inspect and document the condition.

Building 27 Anodize and Titanium Process Area

The anodize process area and the titanium process area are separate chemical process lines comprised of a series of open top tanks which contain various chemical solutions and rinses. The anodize process line was dismantled for renovation in January 2000. At that time the containment basin under the tanks was inspected for cracks that may have allowed a release of contaminants. Cracks were observed and a boring through the largest crack was made to sample the underlying soil. The sample was analyzed for nitrate, sulfite, fluoride, reactive sulfides, cyanide, 8 RCRA metals (totals), pH, and specific gravity.

The tanks associated with the titanium process area are situated close to the floor so an inspection of the containment basin under the process line is not possible with the tanks in place. To determine if any contaminants have been released to the soil in this area we propose to core through the concrete at the east end of the floor (down gradient) just outside of the containment area. A soil sample will be collected with a hand auger and analyzed for nitrate, sulfite, fluoride, reactive sulfides, cyanide, 8 RCRA metals (totals), pH, and specific gravity.

East Section of East Parking Lot

The east section of the parking lot is adjacent to the St. Louis Airport Site. The Department of Energy used this site as a disposal area for low-level radioactive waste. The U.S. Army Corps of Engineers (COE) is currently investigating the site. Soil sampling of the east section of the east parking lot was conducted by the COE during 1999. A copy of the analytical report has been requested.



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